

## PM 2.5 MONITORING ANNUAL SUMMARY

AMAZON PARK - 2019

24 HOUR AVERAGE CONCENTRATION,  $\mu\text{g}/\text{m}^3$ , LTP

| DAY | JAN  | FEB  | MAR  | APR | MAY | JUN | JUL | AUG | SEP | OCT  | NOV  | DEC  |
|-----|------|------|------|-----|-----|-----|-----|-----|-----|------|------|------|
| 1   |      |      | 11.0 |     |     |     |     | 1.9 |     |      |      |      |
| 2   |      |      |      |     |     | 5.1 | 3.2 |     |     |      | 24.8 | 21.8 |
| 3   | 7.4  |      |      | 1.2 | 7.0 |     |     |     | 3.1 | 3.6  |      |      |
| 4   |      |      | 13.1 |     |     |     |     | 7.5 |     |      |      |      |
| 5   |      | 6.2  |      |     |     | 2.6 | 3.7 |     |     |      | 26.0 | 25.3 |
| 6   | 1.9  |      |      | 1.3 | 6.5 |     |     |     | 3.2 | 11.3 |      |      |
| 7   |      |      | 4.4  |     |     |     |     | 4.1 |     |      |      |      |
| 8   |      | 17.1 |      |     |     | 4.6 | 5.3 |     |     |      | 14.9 | 17.2 |
| 9   | 4.5  |      |      | 2.4 | 5.9 |     |     |     | 1.9 | 7.1  |      |      |
| 10  |      |      | 10.6 |     |     |     |     | 3.2 |     |      |      |      |
| 11  |      | 0.6  |      |     |     | 6.7 | 1.7 |     |     |      | 12.2 | 10.0 |
| 12  | 21.7 |      |      | 0.9 | 3.3 |     |     |     | 3.4 | 16.8 |      |      |
| 13  |      |      | 3.2  |     |     |     |     | 5.8 |     |      |      |      |
| 14  |      | 4.6  |      |     |     | 3.0 | 3.2 |     |     |      | 13.7 | 7.3  |
| 15  | 17.7 |      |      | 3.8 | 3.4 |     |     |     | 2.5 | 12.1 |      |      |
| 16  |      |      | 10.1 |     |     |     |     | 5.1 |     |      |      |      |
| 17  |      | 8.7  |      |     |     | 2.2 | 2.1 |     |     |      | 7.9  | 20.4 |
| 18  | 1.4  |      |      | 3.8 | 3.6 |     |     |     | 1.8 | 6.7  |      |      |
| 19  |      |      | 8.0  |     |     |     |     | 5.0 |     |      |      |      |
| 20  |      | 2.5  |      |     |     | 2.8 | 5.5 |     |     |      | 11.4 | 2.3  |
| 21  | 5.5  |      |      | 4.9 | 1.8 |     |     |     | 4.8 | 4.3  |      |      |
| 22  |      |      | 4.6  |     |     |     |     | 5.0 |     |      |      |      |
| 23  |      | 1.7  |      |     |     | 2.3 | 3.1 |     |     |      | 30.1 | 4.4  |
| 24  | 10.0 |      |      | 5.4 | 3.9 |     |     |     | 4.3 | 12.9 |      |      |
| 25  |      |      | 5.0  |     |     |     |     | 3.9 |     |      |      |      |
| 26  |      | 14.5 |      |     |     | 2.6 | 4.9 |     |     |      | 5.1  | 7.5  |
| 27  | 9.5  |      |      | 4.0 | 3.3 |     |     |     | 4.5 | 11.9 |      |      |
| 28  |      |      | 2.6  |     |     |     |     | 7.0 |     |      |      |      |
| 29  |      |      |      |     |     | 3.6 | 4.8 |     |     |      | 18.8 | 9.0  |
| 30  | 25.1 |      |      | 4.4 | 7.7 |     |     |     | 5.3 | 15.5 |      |      |
| 31  |      |      |      |     |     |     |     | 3.0 |     |      |      |      |

| MONTH |        |       |       |        |        |        |        |        |        |        |        |        |
|-------|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| NCAP  | 10     | 8     | 10    | 10     | 10     | 10     | 10     | 11     | 10     | 10     | 10     | 10     |
| %CAP  | 100.0% | 88.9% | 90.9% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |
| MEAN  | 10.5   | 7.0   | 7.3   | 3.2    | 4.6    | 3.6    | 3.8    | 4.7    | 3.5    | 10.2   | 16.5   | 12.5   |
| MAX   | 25.1   | 17.1  | 13.1  | 5.4    | 7.7    | 6.7    | 5.5    | 7.5    | 5.3    | 16.8   | 30.1   | 25.3   |

| QUARTER | Q1    |  |  | Q2     |  |  | Q3     |  |  | Q4     |  |  |
|---------|-------|--|--|--------|--|--|--------|--|--|--------|--|--|
| NCAP    | 28    |  |  | 30     |  |  | 31     |  |  | 30     |  |  |
| %CAP    | 93.3% |  |  | 100.0% |  |  | 100.0% |  |  | 100.0% |  |  |
| MEAN    | 8.3   |  |  | 3.8    |  |  | 4.0    |  |  | 13.1   |  |  |

| ANNUAL   |       |      |      |      |      | Site Statistics |      |      |       |      |      |
|----------|-------|------|------|------|------|-----------------|------|------|-------|------|------|
| NCAP     | 119   | HIGH | 30.1 | 6th  | 21.8 | Year            | 2015 | 2016 | 2017  | 2018 | 2019 |
| %NCAP    | 98.3% | 2nd  | 26.0 | 7th  | 21.7 | Annual Mean     | 7.4  | 5.4  | 9.0   | 7.5  | 7.3  |
| YMEAN    | 7.3   | 3rd  | 25.3 | 8th  | 20.4 | Annual High     | 55.3 | 38.2 | 145.3 | 40.4 | 30.1 |
| QYMEAN   | 7.3   | 4th  | 25.1 | 9th  | 18.8 | Annual 98 %-ile | 26.7 | 20.3 | 41.6  | 32.0 | 25.3 |
| 98 %-ile | 25.3  | 5th  | 24.8 | 10th | 17.7 | 3 Year 98 %-ile | 32   | 26   | 30    | 31   | 33   |